NWRWAVES TTR's

Local tracking #	Problem Description	STATUS	Category	Comments
1	Independently Choose C, Z, or Fire Weather UGC	Closed	Critical	Affects how product programming is controlled on CRS
2	UGC Lookup.table file errors	Closed	Watch	Known errors have been corrected - need to watch for additional problems
3	Change Setup GUI Defaults	Closed	Routine	
4	Setup GUI defaults for adding new products	Closed	Routine	
5	Ability to delete a local NWRWAVES product that you added via GUI	Open	Future Development	
6	No /LOGS or /TEST directories created during install	Closed	Critical	Updated install scripts provided in v2.3 to solve this problem.
7	Use of include issue time uses AWIPS time instead of MND time in product	Open	Routine	
8	Unable to remove a phrase from BUFNSHBUF	Closed	Other	Place the following entry in your WordFile.txt: SEE LAKE ONTARIO OPEN LAKES FORECAST FOR [^\n]+ || and it would remove all of the possibilities of the SEE LAKE... statement.
9	Are trigger files removed from directory?	Closed	Other	AWIPS system cleans up trigger directories
10	Files overwriting each other in the in the Pending Directory	Closed	Critical	Software updated to improve naming of output files
11	Phantom blank products	Closed	Watch	Need to collect more information to better understand why this happened. Speculate that another copy of the same product hit the database at the same time and produced a second trigger instance resulting in trigger output with the same name as the first instance and overwriting it while NWRWAVES was starting to process it. Additional code was added in v2.4 to better "lock" the software from additional use while it is processing a product.
12	Save and Exit error	Open	Watch	"error:grab failed another application has grab". Error cannot be reproduced.
13	Can run multiple occurrence of Setup GUI on same screen simultaneously	Closed	Urgent	Should add a lock file to prevent more than one instance of GUI at a time. Added in v2.3.

#	Description	Status	Priority	Notes
14	Failure to set up Great Lakes Forecast tab produces unexpected results	Closed	Other	
15	Missing UGC in UGCLookup.table file	Closed	Urgent	Added in version 2.3
16	Need locally configured LACs in UGClookup.table	Closed	Urgent	Added localUGClookup.table in v2.3.
17	Products without UGC run on all transmitters	Open	Future Development	Most products for CRS have UGC - ability needed for selecting which transmitter(s) it will play on by product when no UGC. Beyond scope of replacing WWA or CAFÉ for now, would require re-write of product.cfg file to accommodate LAC's by product type.
18	Word replace <<CALL To ACTION>> with |10	Closed	Other	Solution: place in wordfile.txt file - product needs a space, comma, period, dash or carriage return after string to be replaced for word replace to work properly
19	NWRWAVES Browser starts too small	Closed	Watch	Unable to duplicate
20	Add needed punctuation to GHG bulleted products (FFA) to produce "readable" product	Closed	Urgent	Missing punctuation in GHG bullets will yield an unreadable product (run-on) for CRS. Solution is to trap double carriage returns after a bullet is found, and add a comma. Fixed in v2.3.
21	Setup GUI can bog down at times, possibly due to rewrites of the transmitter_cfg.XXX file	Closed	Other	Problem not noted other than at PBZ under a moderately heavy workstation load. Method of saving config files modified in v2.3 to lessen the CPU load.
22	When a site gets NWRWAVES (OB6) and configuration has not been performed, missing transmitter_cfg.XXX file leads to an error when NWRWAVES browser is launched.	Closed	Urgent	Beta distribution should come with a blank default file so that error does not appear. Error related to the 'sort by transmitter' function. Fixed in v2.3.
23	Main NWRWAVES setup GUI needs an 'exit' button separate from the 'save and exit' button.	Closed	Routine	Code as written does not avail itself readily to a simple exit with no save. Backup version of file is kept if an office inadvertently saves off a bad configuration. Closed in v2.3; exit button is now on the GUI. Also, all existing config files are backed up into the BACKUP directory.
24	Save and Edit prompts should be consistent across the different tabs in the NWRWAVES setup GUI	Closed	Routine	All setup screens need to have a 'save edits' button and need to be consistent. This will improve program familiarity but is unnecessary for program functionality at this point. Added in v2.3.
25	Three character CRS Issuance and Follow-Up headers can't have numbers in them	Closed	Routine	Fixed in v2.2 beta final (2.2bf)
26	Recent red banner 'crash messages' had been showing up on receipt of a cancellation WOU.	Closed	Critical	Fixed in v2.2 beta final (2.2bf)
27	Octal errors occurring with CTREC ETN's that end in 08 or 09	Closed	Critical	Fixed in v2.2bf
28	Can background colors of the browser be changed?	Closed	Routine	User preferences can be assigned by each user in their /home directory.
29	OB5 "heads-up" that an OB5 (or 5.x install) would wipe out the NWRWAVES browser	Closed	Critical	Fixed in v2.2bf. Browser is assigned 555 permissions to prevent overwrite unless the overwrite is being done by an NWRWAVES upgrade package.

30	Request that products be given a "starting at" time feature. For example, HWO is issued at 530 am, but an office wants it effective at 6 am.	Closed	Urgent	Added in version 2.5
31	Unable to retransmit VTEC "NEW" products.	Open	Watch	This function is by design to prevent double-toning of warning products. It also protects the integrity of the VTEC_Summary.txt file.
32	MHX: Unable to include county/zone listing in other VTEC CWF products.	Closed	Other	By design, user must have text in the INTRO phrase for the county/zone listing to be included).
33	MHX: Coastal waters products and the naming of the products is causing problems. CWF and MAF products can yield a multitude of product headers (if there's VTEC in it, gets MAF and CWF for different segments).	Closed	Other	Evan suggested that Rich set the issuance and follow-up headers to what he needs (MAF) to simplify your product suite. Mike Hudson also pointed out this is useful for other product suites /WSW, NPW/, and that this has a better explanation in the user documentation.)
34	MHX: Marine zone names are sorted alphabetically, which with the longer names could cause some issues. Better to be listed from north to south (geographical vs. alphabetical). Evan thought it should be happening that way.	Closed	Routine	This function was fixed in v2.2bf.
35	BIL: unable to process SVR warnings from UNR (can from BIS and from BIL)	Closed	Critical	Fixed in v2.2bf. Issue appears to be related to double-storing of products in the BIL AWIPS database. In previous versions, if two products stored at exactly the same second in AWIPS, two nwrwaves.tcl processes could be inadvertently spawned which led to unpredictable results). Better "locking" mechanism built in to v2.2bf.
36	BIL: NOW processed twice and the results were incorrect.	Closed	Other	MRD replace was turned on for the NOW, which is a non-VTEC product. The two outputs were produced, and one used MRD replace because of overlapped counties. Suggestion was to not use MRD replace for non-VTEC products.
37	DDC: Only the first segment of a multi-segment HWO was being processed	Closed	Urgent	Fixed in v2.2bf.
38	PBZ: An NPW (with VTEC) scenario played out at PBZ recently where MRD replace did not work as expected. The product involved a CAN and an EXT for the same VTEC ETN	Closed	Watch	Evan/Mike reviewed Joe's log file, and it appears that the software correctly produced output that would facilitate MRD replace. Unfortunately, output from previous rendition had been overwritten by later output. This has been fixed in v2.2bf, where all OUTPUT directory filenames will be unique.)
39	PBZ: Product naming scheme confusing to NWR operators. Harder to find things as the highest MRD is not necessarily the newest product (as it was in WWA).	Closed	Other	There isn't much that can be done to improve the naming scheme in the NWRWAVES Browser. Suggestions are to utilize transmitter and product filtering to narrow down list, and then sort by expiration time to find the latest version of a product

40 PBZ: naming scheme for non-UGC coded products can cause an unintentional replacement of valid products with a new version from another office. Example given was the RER.	Closed	Watch	Impact to changing NWRWAVES product assembly is significant; will it be worth the investment for a rare number of products? **Action: Regional POC's to assemble known non-UGC coded products that might be played on NWR, to help assess the impact)**
41 HUN: ZFP/NOW configurations. Is there a way to process the ZFP uniquely, as there was in CAFÉ?	Closed	Other	A core-county approach to NWRWAVES listening area setup can be used - in v2.4 documentation.
42 Replacement of MRDs of 000. It appears that CRS treats a MRD of 000 like it does not have a MRD and therefore never will get replaced	Closed	Urgent	Fixed in v2.3. MRD's of "000" are invalid in CRS.
43 CWF was tested that did not have the correct format. The first segment did not have the correct format. It did have a UGC line but not a Time/Date line. The remaining 4 segments did have both a UGC line and a Time/Date line. NWRWAVES did go and process the product, but used the UGC of the first segment (that did not contain the Time/Date Line) and then captured the text in the CRS ready product of the second segment. Every product it created from then on had the UGC of one segment with the text of the next segment. I feel it would have been better if NWRWAVES would have failed and gave a red banner message rather than create products with UCG (LAC) areas with the incorrect text captures	Closed	Other	If a product is not correct per directive, then the formatter should fail to produce correct output which it does in this case. Bullet-proofing the software for every possible exception to directive would be very difficult to accomplish. Team believes this is a good area to watch, and contact offices that produce products that are in violation of NWS directive formats.
44 Sites can not remove an entry in the Local LAC file via the GUI or correct an entry already entered without going and editing the flat file. Sites may need to do this if they make an error in the name description of the LAC or if they report that one of their zones are missing from the baseline delivered file to the NWRWAVES team, then when the next load of the software is loaded and now the baseline contains the once missing LAC sites need to remove it from their local list	Closed	Routine	Enhancement to edit this file through the GUI included in v2.3b). As a side note, if entries are duplicated between the UGCLookup.table and the localUGCLookup.table, the national file is used by the software in all cases).
45 PBZ- NWRWAVES does not create a log file entry when a test produced is parsed.	Closed	Routine	Fixed in v2.3b.

#	Description	Status	Priority	Notes
46	MHX – TCV product from hurricane Ophelia crashed NWRWAVES v2.1. Rich was going to send the DEBUG files and information on how many products were in the queue as well. Evan checked the TCV product and it did not appear to be malformed	**Open**	**Watch**	WATCH – MHX has loaded v2.2bf most likely related to NHC/TCP issues with the TCV product
47	MHX – Reported that the HLS crashed several times during hurricane Ophelia. Evan tracked the problem to a malformed UGC line. The date time line was also malformed on several of the HLS statements (12 MIDNIGHT EDT).	Closed	Other	Product did not conform to directive, and was manually manipulated from GHG output. Therefore, it failed the QC checks and thus failed to format.
48	Ability to bypass product UGC and use a predefined LAC for the CRS message.	Open	Future Development	Related to local DR's #17 and #40; this would also likely require modifications to the product.cfg file.
49	Running out of inodes for the /awips/adapt partition. This was caused by input, output and debug files in the NWRWAVES_SAVES tree not being date scoured by NWRWAVES. This is fixed by the installation script in v2.3b but sites may wish to remove their old directories in NWRWAVES_SAVES after installing v2.3b.	Closed	Urgent	Fixed in v2.3b.
50	MTR: VTEC not working properly with the CWF.	Closed	Critical	Option was built into v2.4 to ignore VTEC codes (user discretion) in the CWF. Issues here are the multitude of hazards in the CWF, and their impact on the eventual CRS-bound product. This will likely be impacted by DR #64 (below) for handling multiple lines of VTEC (if an offices chooses to use VTEC with their marine forecast products).
51	ARX inquired about creating a program to speed the CRS database conversion necessary for NWRWAVES. A CRS ASCII Database program was created by the NWRWAVES team last spring but dropped from NWRWAVES production.	Closed	Other	Sites are encouraged to make all database changes through the CRS MP GUI interface. As per documentation, best way to do this is on an AWIPS product-by-product basis, starting with lower impact products first.
52	Time zone format from GHG is not properly handled by NWRWAVES v2.2bf. An example of "1100 AM CDT / 1000 AM MDT" is reproduced in NWRWAVES output verbatim.	Closed	Urgent	Fixed in v2.3b. Time zones from GHG and legacy time zone text (using parenthesis) will work.
53	BIL: WSW processed by BIL did not produce correct MRD numbers for MRD replace	Closed	Other	Initial WSW from BIL was never sent to CRS; therefore, CRS properly flagged the second product as not being able to replace the first.

54 With a cancellation segment produced internally by NWRWAVES, WordFile.txt is not sourced for post-processing prior to transmission to CRS	Closed	Routine	Fixed in v2.4.
55 NWRWAVES output not consistent with CAFÉ output for use on office phone systems (IVM or IVR). Integrate IVM/IVR capability into NWRWAVES.	Open	Future Development	Would likely require a re-work of internal software functionality. Also needs a firm set of requirements. Was not listed as a baseline capability within either WWA or CAFÉ.
56 BIL: the "lock.lock" file created when NWRWAVES runs is not properly deleted upon completion of re-sending an NWRWAVES product.	Closed	Critical	Unable thus far to duplicate anywhere except BIL. Site support working to figure out the source of error (v2.4). This will be fixed with the additon of a baseline summary call via cron. Problem was a local application written to duplicate this behavior at BIL.
Final Version of NWRWAVES / SEC coordinates check-in	Closed	Critical	
Error created when choosing the 'Send to NWRWAVES' button from the re-transmit screen but failing to enter in a PIL to request data. Result was the inadvertent deletion of the /browser directory.	Closed	Critical	Fixed in v2.4 that ended up on the OB6 Final DVD.
57 Re-write UGC Decoder to allow for the inclusion of partial county codes (instead of MOC095, allow MO1195, MO2295, etc.) to support partial county warnings. **NWRWAVES will not take whole counties and convert to partial counties; rather, it will take local input that includes partial county codes.**	Closed	Critical	Some offices with large counties currently post-process warning text to change full county FIPS codes into local sub-divided FIPS codes for CRS. This post-processing is not done by NWRWAVES; however, NWRWAVES must be able to accept them as input.
58 Add capability to decode Spanish MND date/time line for inbound AWIPS products that end in "SPN"	Closed	Critical	Allow WFO SJU (and other offices that issue Spanish products) to send through products whose AWIPS PID ends in SPN (i.e., ZFPSPN). Current MND parser uses English only. This capability is needed to properly assemble an inbound Spanish message; coupled with existing call to T_SPA will facilitate full Spanish capability to decode/prep products for play
59 Parse the overview section of a segmented product (if overview inclusion is set to "Yes") into a separate CRS product (OVR)	Closed	Critical	Need to duplicate CAFÉ behavior; expands to all segmented products that use an overview.
60 Adjust processing (if necessary) of the TCV in accordance with NOAA/NWS Hurricane Conference recommendations.	Open	Future Development	Need requirements; specific changes to the TCV suite. Segmented HLS will be handled OK under current software, some questions about how many lines of VTEC might be contained therein. Preliminary guidance suggests that current message assembly scheme will work fine with the proposed changes to the TCV.

61	Include "SWAPS" capability from CAFÉ	Open	Future Development	Need requirements and more detail on what "SWAPS" actually is. Believe this capability can be duplicated in existing WordFile.txt.
62	Do we need to revamp convective watch message content to remove watch number from text?	Open	Future Development	Need regional consensus, leveraged against directive 10-1710.
63	Add new c-shell script (invoked via crontab) to update SUMMARY message in between calls to NWRWAVES for product formatting. Call should be something like "nwrwaves.tcl SUMMARY KSC101 KSC059" where KSC101 KSC059 represent the counties that were removed by the operator via the NWRBrowser GUI. This needs to be wrapped into a csh script that checks to make sure that there is not a lock.lock file or nwrwaves.tcl process running before proceeding.	Closed	Critical	Field request; in the times that hours pass between calls to NWRWAVES, would allow summary message to update periodically when hazards expire and no AWIPS product is issued to cancel/expire that hazard.
64	Re-vamp VTEC Decoder to handle multiple lines of VTEC; use a prioritization ranking scheme to pick which one is used for product assembly, yet produce a product for any tone-alert hazard listed.	Closed	Critical	Critical fix for v2.5; needed to ensure proper message assembly.
65	Provide support training to the NCF on basic NWRWAVES support issues.	Closed	Critical	Development team to prepare training for the NCF.
66	For inbound products that end in "SPN", invoke a separate WordFile.txt for Spanish messages.	Closed	Critical	Will allow for separate phrase replacement capability for Spanish messages.
67	When the NWRWAVES Browser is started from the Monitoring Controller (and not the root menu) on an XT workstation, the time zone is improperly sourced as LST and not GMT. This causes the "Expire Product" option using current time to post-date a product's expiration time.	Closed	Routine	Added in version 2.5
68	Add processing to remove update reasoning from ZFP issuance. "UPDATED TO RAISE HIGHS", etc.	Closed	Routine	Fixed via WordFile.txt solution.
69	Create "Core County" logic for parsing of legacy products "ZFP", "NOW", etc. Allow for processing for just one LAC per product.	Closed	Critical	Added in version 2.5
70	Word/phrase replacement does not work if the phrase extends to a new line	Closed	Routine	Added in version 2.5

71	In a situation where UPG/CAN action codes are contained within a segment, software doesn't properly prepare a cancellation message	Closed	Urgent	Added in version 2.5
72	With the GLF, additional customization is needed; ability to specify not only sections of the GLF but to also make assignment of these sections transmitter-specific.	Closed	Urgent	Added in version 2.5
73	If two zones have the same name, only the first UGC(z) was added to the transmitter config file	Closed	Urgent	Added in version 2.5
74	Install script needs to be modified to automate addition of coure county/zone and effective time fields.	Closed	Critical	Added in version 2.5
75	Various changes to the configuration GUIs per user feedback: GUI adjusted to align product configuration settings for easier setup; pop-ups augmented to better explain scenarios based on listserv feedback; removed 24 hour restriction on broadcast duration override; VIP (Concatenated Voice) replaced with just VIP (Default); addition of transmitter-specific GLF settings on the Marine tab; addition of browser settings GUI on the Summary/Misc. Settings tab.	Closed	Routine	Added in version 2.5
76	Add a "Pending directory" check program (via cron) that displays a red banner message if outbound messages sit too long in the Pending directory. Requested enhancement for v2.5	Closed	Routine	Added in version 2.5
77	Create a "unified configuration gui" for NWRWAVES that will handle the editing of NWRWAVES Browser items (like the menu filters) and adjust variables for the Pending Product checker.	Closed	Routine	Added in version 2.5
78	Adjust way that NWRWAVES is called from c-shell, to preserve argument given it from triggered product. If a message is sent in TEST mode, then live mode (and another message comes into the queue in TEST mode), then this third message must have test mode preserved.	Closed	Critical	Added in version 2.5

79	Update UGClookup.table for requested changes per field feedback.	Closed	Urgent	Added in version 2.5
80	Improve sending of products from pending to sent, by better looking at phrases for key products such as TOR. Office has an airport Torrington (TOR) whos climate summary is triggering the warning prompt "Are you sure you wish to send?"	Closed	Routine	Added in version 2.5
81	Fix bug with GLF logic so that presence of a headline doesn't result in null output.	Closed	Critical	Added in version 2.5
82	Fix minor bug with the nowcast; search for \.NOW\.\.\. instead of \.NOW\.\.\.\n	Closed	Routine	Can also be addressed by substitution in WordFile.txt
83	Add ability to regenerate "NEW" VTEC segments with a confirmation (Y/N) to proceed. This could involve skipping writing of the hazard back to the VTEC_Summary.txt file.	Open	Future Development	
84	Add ability to concatenate segments within a valid AWIPS product per transmitter, for non-VTEC coded products such as the HWO, NOW, ZFP, etc.	Open	Future Development	Mimic behavior of the NOWX CAFÉ formatter.
85	Add ability for offices to opt to use the "issuing office" for the first three characters of the CRS Message Type (EAXSVRSTJ instead of STLSVRSTJ). This would allow easier QC of the Broadcast Cycle, but would need to be a flag (on/off) per NWRWAVES product type.	Open	Future Development	